

**CPC****COOPERATIVE PATENT CLASSIFICATION****A43C****FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL****A43C 1/00****Shoe lacing fastenings ( garment fastening devices [A41F](#) )****A43C 1/003**

- . { Zone lacing, i.e. whereby different zones of the footwear have different lacing tightening degrees, using one or a plurality of laces ( laces combined with another system [A43C 11/008](#); zone tightening using straps [A43C 11/14](#) ) }

**A43C 1/006**

- . { Rear lacing, i.e. with a lace placed on the back of the foot in place of, or in addition to the traditional front lace }

**A43C 1/02**

- . with elastic laces

**A43C 1/04**

- . with rings or loops

**A43C 1/06**

- . tightened by draw-strings

**A43C 3/00****Hooks for laces ( making from sheet metal [B21D 53/46](#) ); Guards for hooks****A43C 3/02**

- . Lacing-hooks with guide rollers

**A43C 3/04**

- . Spring safety-hooks

**A43C 5/00****Eyelets ( machines for setting eyelets [A43D 100/00](#) )****A43C 7/00****Holding-devices for laces****A43C 7/005**

- . { the devices having means to hold the traditional knots or part of it tightened }

**A43C 7/02**

- . Flaps; Pockets

**A43C 7/04**

- . Hinged devices

**A43C 7/06**

- . Elastic bands

**A43C 7/08**

- . Clamps drawn tight by laces

**A43C 9/00****Laces; Laces in general for garments made of textiles, leather, or plastics****A43C 9/02**

- . provided with tags, buttons, or decorative tufts

**A43C 9/04**

- . Forming ends of laces of plastics, celluloid, rubber, or the like

**A43C 9/06**

- . Releasable ends of laces

- A43C 9/08
  - . made of paper or wire
- A43C 11/00**      **Other fastenings specially adapted for shoes ( dress fastenings in general [A44B](#) )**
- A43C 11/002
  - . { Fastenings using stretchable material attached to cuts in the uppers }
- A43C 11/004
  - . { Fastenings fixed along the upper edges of the uppers }
- A43C 11/006
  - .. { Elastic fastenings }
- A43C 11/008
  - . { Combined fastenings, e.g. to accelerate undoing or fastening }
- A43C 11/02
  - . Button fastenings
- A43C 11/04
  - .. Studs; Fastening same
- A43C 11/06
  - . Snap-button fastenings
- A43C 11/08
  - . Hook fastenings; Rotary hooks
- A43C 11/10
  - .. Hooks with several tongues
- A43C 11/12
  - . Slide or glide fastenings
- A43C 11/14
  - . Clamp fastenings, { e.g. strap fastenings }; Clamp-buckle fastenings; Fastenings with toggle levers
- A43C 11/1406
  - .. { Fastenings with toggle levers; Equipment therefor }
- A43C 11/1413
  - ... { Equipment for fastening toggle lever fastenings }
- A43C 11/142
  - ... { Fastenings with toggle levers with adjustment means provided for on the shoe, e.g. rack }
- A43C 11/1426
  - .... { characterised by the attachment of the rack to the footwear }
- A43C 11/1433
  - .... { characterised by means to decrease required force for the closure movement of the toggle lever }
- A43C 11/144
  - .... { characterised by means to retain the preferred position on the rack when the fastening means are in the loosened position }
- A43C 11/1446
  - .... { characterised by special protection means to prevent damage or accidental loosening of the fastening means }
- A43C 11/1453
  - .... { characterised by the shape of the teeth on the rack }
- A43C 11/146
  - ... { Fastenings with toggle levers with adjustment means provided for on the strap, e.g. ratchet strap }
- A43C 11/1466
  - .... { characterised by means to decrease required force for the closure movement of the toggle lever }
- A43C 11/1473
  - .... { characterised by means to retain the preferred position on the strap when the fastening means are in the loosened position }
- A43C 11/148
  - .... { characterised by special protection means to prevent damage or accidental loosening of the fastening means }
- A43C 11/1486
  - .... { characterised by the shape of the teeth on the ratchet strap }
- A43C 11/1493
  - .. { Strap fastenings having hook and loop-type fastening elements }
- A43C 11/16
  - . Fastenings secured by wire, bolts, or the like

- A43C 11/165 . . { characterised by a spool, reel or pulley for winding up cables, laces or straps by rotation }
- A43C 11/18 . Fastenings of the lazy-tongs type
- A43C 11/20 . Fastenings with tightening devices mounted on the tongue
- A43C 11/22 . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
- A43C 11/24 . Ornamental buckles or other ornaments for shoes, with fastening function ( [buckles in general A44B 11/00](#) )
- A43C 13/00** **Wear-resisting attachments**
- A43C 13/02 . Metal plates for soles or heels
- A43C 13/04 . Cleats; Simple studs; Screws; Hob-nails
- A43C 13/06 . Attachments for edges of soles, especially for ski boots
- A43C 13/08 . . with rubber, plastics, leather, felt or like parts
- A43C 13/10 . . made from wire
- A43C 13/12 . Releasable protecting-soles of metal ( [soles of metal A43B 3/10](#) )
- A43C 13/14 . Special attachments for toe-caps; Protecting caps for toe-caps
- A43C 15/00** **Non-skid devices or attachments** ( [apparatus for climbing poles, trees, or the like A63B 27/00](#) )
- A43C 15/005 . { Nails, pins }
- A43C 15/02 . attached to the sole
- A43C 15/04 . attached to the heel
- A43C 15/06 . Ice-gripping devices or attachments, e.g. ice-spurs, ice-cleats, ice-creepers, crampons; Climbing devices or attachments e.g. mountain climbing irons ( [A43C 15/09 takes precedence; ice-spurs for horseshoes A01L 7/08](#) )
- A43C 15/061 . . { Ice-gripping devices or attachments, e.g. ice-cleats, ice-creepers }
- A43C 15/063 . . . { with ice-gripping means projecting from the front foot region }
- A43C 15/065 . . . { with ice-gripping means projecting from the region directly in front of the heel }
- A43C 15/066 . . . { with ice-gripping means projecting from the heel area, e.g. ice spurs }
- A43C 15/068 . . { Climbing devices or attachments, e.g. glacier crampons, mountain climbing irons }
- A43C 15/08 . . Reversible ice-spikes
- A43C 15/09 . Equipment associated with footwear for walking on inclines to compensate for angle of inclination
- A43C 15/10 . Non-skid attachments made of wire, chain, or other meshed material

- A43C 15/12 . Small releasable non-slip straps
- A43C 15/14 . with outwardly-movable spikes
- A43C 15/16 . Studs { or cleats } for football or like boots
- A43C 15/161 .. { characterised by the attachment to the sole }
- A43C 15/162 .. { characterised by the shape }
- A43C 15/164 ... { having a circular cross section }
- A43C 15/165 .... { pointed or conical, e.g. calks, spikes, pins }
- A43C 15/167 .... { frusto-conical or cylindrical }
- A43C 15/168 .. { with resilient means, e.g. shock absorbing means }
- A43C 15/18 . Serrated grips

#### **A43C 17/00      Spurs**

- A43C 17/02 . Spurs; Means for fastening spurs
- A43C 17/04 . Releasable spur fastenings
- A43C 17/06 . Collapsible spurs

#### **A43C 19/00      Attachments for footwear, not provided for in other groups of this subclass**